KONFTEL

User Guide Konftel 220

ENGLISH

OmniSound® HD – Optimal sound

By incorporating full duplex audio, the patented audio technology OmniSound® guarantees the audio conference an impressive and crystal clear sound in both directions through a hypersensitive microphone with 360° sound pickup and speakers that provide powerful sound distribution to all participants.

OmniSound® HD offers HD audio transmission for VoIP calls. In addition features like echo cancellation, background noise suppression which minimizes distracting background noise and an equalizer for personal adjustment of the sound's various characteristics are also included. Move freely around the room, talk, discuss and debate while retaining great sound quality that is entirely free from irritating sound clipping, damping or echoes. It's as close as you can get to natural sound.

CE

Konftel AB hereby declares that this conference phone is in conformity with all the essential requirements and other relevant provisions of Directive 1999/5/EC.

Please visit **www.konftel.com/doc** to read the declaration in its entirety.

Warning!
Do not expose the Konftel 220 to water or moisture.

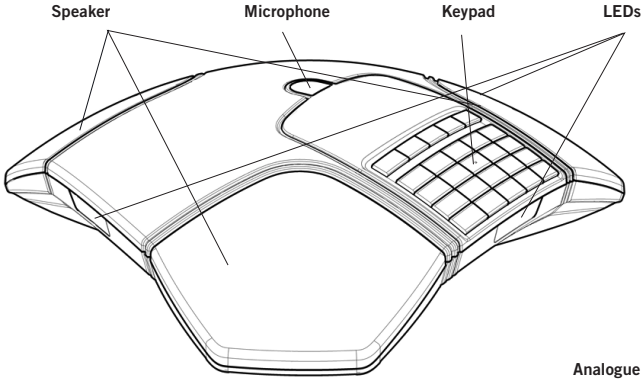
Warning!
Do not open the casing of the Konftel 220.

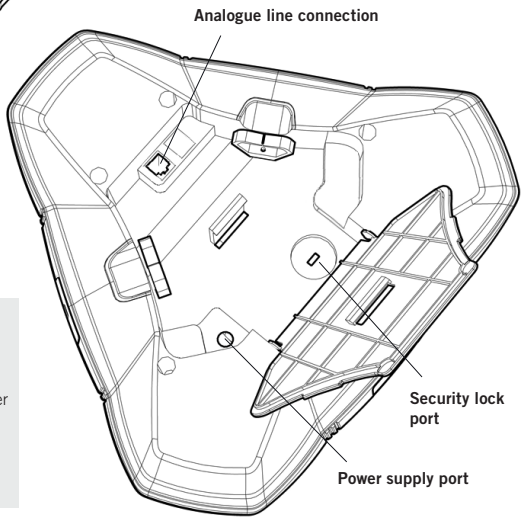
Warning!
Only use the power adapter provided to connect the unit to the mains.

MAINTENANCE

Clean the equipment with a soft, dry cloth. Never use liquids.

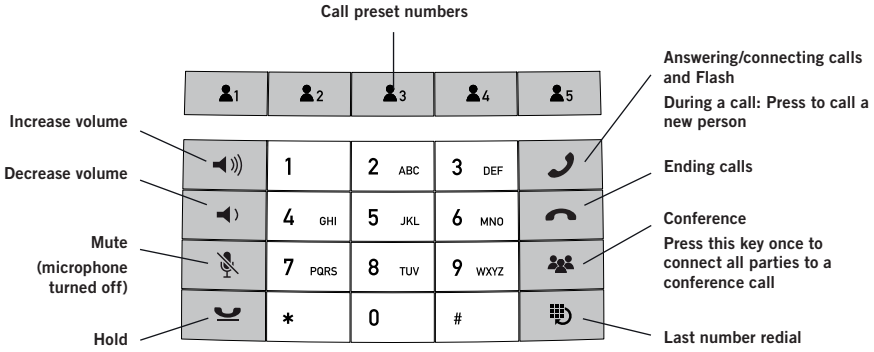
DESCRIPTION





LEDs

Flashing blue	Incoming call
Steady blue	Call in progress
Flashing red	Hold, microphone and speaker turned off
Steady red	Mute, microphone turned off



CONNECTION

UNPACKING

⇨ Check that all parts are included in the package. If any parts are missing, please contact your reseller.

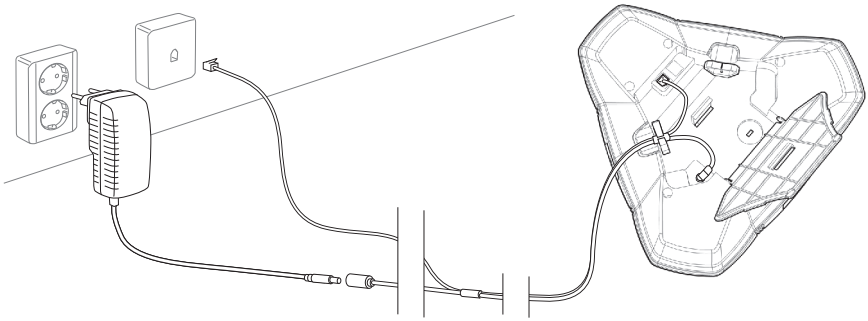
- User Guide Konftel 220
- Power adapter with universal socket compatibility
- 7.5 metre cable for electric power and line connection

CONNECTING AND INSTALLING THE UNIT

⇨ Connect to an analogue line as illustrated.

⇨ Plug the Konftel 220 into the mains using the power adapter as illustrated.

⇨ Place the conference phone in the middle of the table.



SELECT YOUR REGION

The first time the Konftel 220 is started, you will be required to select the region in which you are located. The Konftel 220 then automatically configures to the telephone network for that region.

ⓘ Visit **www.konftel.com/220regions** for a list of all regions.

Example: *1 = USA*
46 = Sweden

⇨ Press the following sequence.

🔇 **3 #** COUNTRY CODE **#**

You will hear a tone confirming that the setting has been saved and that you have exited the setting mode.

ANSWERING CALLS

A ring tone will be heard and the blue LEDs start flashing.

⇨ Press ✆ to answer.
The LEDs show a steady blue light.

MAKING CALLS

⇨ Press ✆.

⇨ Dial the number.
The number is called and the LEDs show a steady blue light.

Redialling

⇨ Press ↻.
The last dialled number is called.

USING PRESET NUMBERS

You can store five preset numbers. You store the numbers when the phone is in stand-by mode(✆).

Saving contacts

⇨ Press and hold the 👤1 key for three seconds (or store key 1–5 that you want to use).
You will hear a tone confirming that you are in store mode.

⇨ Dial the number you want to store.

ⓘ Press 🎤 if you need to add a pause. You may need to do this if the phone is connected to a corporate PBX and you have to dial 0 and wait for a dial tone from the PBX to make external calls.

⇨ Press 👤1.
You will hear a tone confirming that the setting has been saved and that you have exited the store mode.

Calling a contact

⇨ Press 👤1.

MAKING THREE-WAY CALLS

During a call, the key acts as Flash/R-pulse, which means it transmits commands to the PBX to get a new dialling tone.

ⓘ Different PBXs may require different signals. Please contact your telephone administrator or service provider if you experience problems making multi-party calls. See page 8 for more details.

⇨ During a call: Press .

A second dialling tone is heard and the first call is placed on hold.

⇨ Dial the second participant's number and wait for an answer.

⇨ Press .

All three participants are now linked together in one call.

If you end the second call without connecting the calls, the first call will issue an incoming call signal. If so, press to return to the first call.

If no one answers when you dial the second number

⇨ Return to the first call by pressing .

DURING A CALL

ADJUSTING THE SPEAKER VOLUME

⇨ Adjust the speaker volume using the and keys.

PLACING CALLS ON TEMPORARY HOLD

Mute

⇨ Press to turn the microphone off.

The LEDs change from blue to red. The other party cannot hear what you are saying.

⇨ Press to reconnect the call.

Hold

⇨ Press to place the call on hold.

The LEDs change from blue to flashing red. Both the microphone and the speaker are turned off and the call is on hold.

⇨ Press to reconnect the call.

ENDING CALLS

⇨ End the call by pressing .

ADJUSTING THE RING VOLUME

The phone needs to be in stand-by mode ( ) when you change this setting.

⇨ Press the ◄)) and ◄) keys.
The ring volume changes each time you press.

ⓘ There are six levels. You will hear the ring tone for each level you select.

CHANGING THE CONFERENCE KEY

A request must be sent to the PBX to connect a three-way call. R3 (Flash 3) is the standard and it works in most countries and with most PBXs. If you experience problems creating a three-way call, this command may need to be changed as described below. Please contact the telephone administrator in your company or your service provider for further information.

⇨ Press and hold the key for three seconds.
You will hear a tone confirming that you are in the conference setting mode.

⇨ Press the digit or sequence required by your PBX.

⇨ Press .
You will hear a tone confirming that the setting has been saved and that you have exited the setting mode.

You can exit the conference setting mode by pressing or waiting for 10 seconds.

SETTINGS IN SETTING MODE

There are a number of settings you can change by first putting the phone in setting mode and then entering a command followed by **#** and a value followed by **#** as instructed below. To enter the setting mode, press with the phone in stand-by mode ( ).

You can exit the setting mode by pressing or waiting for 10 seconds.

Changing the Flash/R-pulse time (1)

Flash/R-pulse (*Register recall*) is used to request a new line from the PBX. Different countries and PBXs may require different durations for activating the Flash/R-pulse. Duration requirements should be specified in the technical data for the PBXs.

Applicable values:
1 = by region (standard)
2 = 60 ms
3 = 100 ms (Scandinavia, Europe, Siemens HiPath)
4 = 200 ms
5 = 300 ms
6 = 400 ms (Germany, France, Israel)
7 = 500 ms (USA)
8 = 600 ms

⇨ Press .
You will hear a tone confirming that you are in setting mode.

⇨ Press **1 # N #** (with N being the appropriate number between 1 and 8 as shown above).

You will hear a tone confirming that the setting has been saved and that you have exited the setting mode.

Keypad tone (2)

You can select whether or not you want to hear a click when you press the keys. Note that this setting does not affect the tone you hear when you dial a number in call mode.

Applicable values: *1 = on (standard)*
2 = off

⇨ Press 🔇.

You will hear a tone confirming that you are in setting mode.

⇨ Press **2 # N #** (with N being 1 or 2 as shown above)

You will hear a tone confirming that the setting has been saved and that you have exited the setting mode.

Select your region (3)

The first time the Konftel 220 is started, you must select the region in which you are located. The Konftel 220 then automatically configures to the telephone network for that region. This setting can be changed later.

Example: *1 = USA*
46 = Sweden

ⓘ Visit **www.konftel.com/220regions** for a list of all regions.

⇨ Press 🔇.

You will hear a tone confirming that you are in setting mode.

⇨ Press **3 #** COUNTRY CODE **#**.

You will hear a tone confirming that the setting has been saved and that you have exited the setting mode.

Resetting (4)

This resets all settings to default.

⇨ Press 🔇.

You will hear a tone confirming that you are in setting mode.

⇨ Press **4 # 1234 #**

You will hear a tone confirming that the setting has been saved and that you have exited the setting mode.

TECHNICAL DATA

Size	Diameter 240 mm, height 77 mm
Weight	1 kg
Colour	Charcoal black
Keypad	Alphanumerical 0–9, *, handset off/F, handset on, mute, hold, volume up, volume down, 5 keys for speed dial, redial and conference (three-way)
Anti-theft protection	Kensington security slot

Connectivity

Analogue telephone connectivity	Modular 6/6 modular (RJ11) to a public analogue telecom munication network or an analogue PBX
Power supply	AC adapter 100-240 V AC/14 V DC

Audio

Technology	OmniSound® HD
Microphone	Omnidirectional
Voice pickup range	Up to 30 m^2, <10 people
Speakers	Frequency range 200–3300 Hz
Sound level	90 dB SPL 0.5 m

Environment

Temperature	5°–40°C
Relative humidity	20–80% condensation free
Recommended acoustics	Reverberation period:0.5 S Rt 60 Background noise: 45 dBA

SERVICE AND WARRANTY

If anything is wrong with your Konftel unit, please contact the place of purchase.

Warranty

We give a two-year warranty on our conference telephones.

Service

Service is offered after the expiration of the warranty. Please contact your reseller and ask for a cost estimate.

Konftel support

If you have any questions about the warranty and service, please contact your Konftel support centre

Europe: +46(0)90-706 489 (Monday–Friday 8.00–17.00 GMT+1)

E-mail: support@konftel.com

USA and Canada:

+1 866-606-4728 (Monday–Friday 8.00–17.00 GMT-8)

E-mail: konftel.usa@konftel.com

Konftel is a leading company and the world's fastest growing brand in the teleconferencing industry. Since 1988, our mission has been to help people around the world to conduct meetings, regardless of distance. We know from experience that teleconferences are an efficient way to save time, money and contribute to a better environment. Superior audio quality is key to productive meetings which is why we incorporate OmniSound®, our patented audio technology, into all Konftel telephones. Our products are marketed worldwide under the Konftel name via our head offices in Umeå. Find out more about the company and our products at **www.konftel.com**

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